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Agricultural Experiment Station

University of Kentucky

COMMERCIAL FEEDS IN KENTUCKY IN 1930

BULLETIN NO. 315

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BULLETIN NO. 315

Commercial Feeds in Kentucky in 1930

By J. D. TURNER, H. D. SPEARS, W. G. TERRELL and L. V. AMBURGEY

The unprecedented drought of 1930 in Kentucky and the Central States caused not only a shortage in all grown crops but an emergency in feed crops and introduced many new problems in the feed control work. The pastures were rendered bare, the hay and corn crops in most parts were failures and the farmers had to buy feeds practically the year round. This situation was not confined to Kentucky alone but covered a wide area throughout the central and eastern states.

Manufacturers were quick to respond to the needs of the farmers and a large majority of them rendered an unselfish service in furnishing "emergency" feeds at fair prices, and in many instances without profit to themselves. It is much to the credit of these manufacturers for this service in such trying times and they should be highly commended for their help and cooperation. Unfortunately, there were some manufacturers who attempted to foister on the farmers feeds of low nutritive value at prices much above their worth. Such attempts were not only ill advised and added to the heavy burdens of the feeders, but caused the Department to invoke the law to correct such violations, as evidenced by many prosecutions during the year.

Attempts were made to break down the high standard of feeds that has been maintained in the State for many years. Much adulteration and misbranding have been found. In our examination of standard wheat feeds, we have found them to contain large amounts of ground wheat, wheat screenings and low grade flour. It should be kept in mind that the byprod-

ucts of wheat are much richer in nutritive materials than the whole wheat berry or the flour of the wheat. The adulteration and misbranding of dairy feeds have been very marked during the year.

In the table of Results of Analysis, it will be observed that 1129 official samples were analyzed. Of this number, 310 samples were deficient in protein, 78 in fat, 175 had excess of fiber, 35 were adulterated and 75 misbranded. In addition to this number of samples, 440 miscellaneous samples were analyzed for check analysis and other purposes and many of these results led to further investigation.

READ THE LABEL

Much has been said and done to place before the purchaser of feeds the importance of reading and studying the State official label. If the feeder would only exercise reasonable diligence and common judgment by reading the official label, he would be in a position to know the quality of feed he is buying and protect himself against fraud.

If a feed is labeled with a manila tag printed in black ink, it is a simple straight feed made of one grain or plant only and a purchaser should have no trouble in recognizing it by a glance at the label.

If a feed is labeled with a manila tag printed in red ink, it is made of the products or byproducts of two or more grains or cereals or plants and the label plainly tells what these materials are. This class of feed is known as straight mixed feed.

If a feed is labeled with a yellow tag, it indicates that the feed contains a material or materials of little or no feeding value, such as screenings refuse, oat hulls, clipped oat byproduct, cottonseed hulls, or foreign materials of a highly fibrous nature. Such feeds are commonly known as **Yellow Tag Feed** or **Adulterated Feed.** It has been pointed out time and again that the label of this class of feed should be considered and studied carefully before buying.

SCREENINGS

It is estimated that around 5,000,000 tons of screenings are produced by the large grain elevators in the United States annually. To this number, may be added a quarter-million tons imported from Canada. This volume does not include a large tonnage produced by flour and feed mills and turned back into the feeds they manufacture themselves.

All, or practically all, of these screenings are used by mills for mixing with other feeds, principally dairy feeds. Very small portions are used as straight feeds for stock, as screenings have no ready sale or demand for this purpose. They must be disguised with molasses or mixed with other feeds in order to give them a channel for consumption.

Screenings vary greatly in composition and chemical analysis. The Department has examined samples of screenings that varied in weed seeds from a few to practically 100%. They have no definite standard and have to be supplemented with materials of well-known value to give them sufficient standing as feed. They are bought usually by mixers at screenings prices and mixed with molasses and standard materials, and sold at prices much beyond their true worth.

Screenings usually are sold on sample. As a rule, no two shipments are the same. Small mixers are not equipped with laboratories and are not in a position to know their quality and consequently the mixed feed produced from screenings varies greatly. Manufacturers using screenings as a filler endeavor to make their guaranties low enough to take care of wide variations, as they know that if they make their guaranties close they will constantly be in trouble. The Department feels that if guaranties are to serve the purpose for which they are intended, they must be made so they will tell the truth and that an arbitrary guaranty will not suffice. The guaranties should be made carefully, reasonable allowance being made for slight variations, but the actual content of the feed must be reasonably close to the guaranty. Such practice will insure uniformity in feeds, especially in special-purpose feeds

where this factor is very important. Much emphasis, therefore, is placed by the Department on this requirement and manufactures are urged to observe it with considerable care.

Buyers of feeds should consider carefully the feeds they purchase if they contain screenings. Very full and definite information is given on the tag.

TABLES

Table 1 gives the results of the analysis of the official inspection samples, indicating the number of samples of each kind of feed analyzed, the deficiencies in protein and fat, excess fiber and whether the feeds were as guaranteed.

Table 2 shows the tonnage of each class of feed used in Kentucky during the year, estimated from the number of tax tags issued.

Table 3 shows the average composition of the more common feeding stuffs.

Table 4 gives the average digestibility of the nutrients in common feeding stuffs.

TABLE 1. Results of Analysis

NAME OF FEED	No. of Samples	Deficient in Protein	Deficient in Fat	Excess of Fiber	Adulterated	Misbranded
Wheat Bran	10	2	.....	.....	.....	.....
Wheat Middlings or Shorts	68	35	5	3	7	8
Mixed Wheat Feed	100	48	11	3	2	4
Red Dog Flour	7	1	1	.....	.....	1
Miscellaneous Wheat Feed	18	2	.....	.....	.....	1
Ground Wheat Screenings	1	.....	.....	.....	.....	.....
Cracked Corn	3	.....	2	.....	.....	.....
Corn Feed Meal	7	.....	.....	1	.....	.....
Hominy Feed	17	4	5	3	.....	1
Corn Byproduct Feed	1	1	1	.....	.....	.....
Corn Gluten Feed	1	.....	.....	1	.....	.....
Mixed Feed (Wheat and Corn Byproducts)	115	60	13	17	4	9
Dairy Feed:						
16½% Protein	175	36	8	53	8	21
20% Protein	59	14	7	3	.....	1
24% Protein	97	15	5	9	5	6
32% Protein	2	1	1	.....	.....	.....

TABLE 1—Continued

NAME OF FEED	No. of Samples	Deficient in Protein	Deficient in Fat	Excess of Fiber	Adulterated	Misbranded
Horse and Mule Feed	32	7	.....	1	.....	.....
Poultry Grains:						
Scratch	12	2	2	.....	.....	2
Chick	1	1	.....	.....	.....	.....
Poultry Mash:						
Laying	65	17	3	10	.....	3
Growing	8	.....	.....	1	.....	.....
Fattening	3	.....	.....	.....	.....	.....
Starting	12	2	.....	1	.....	.....
All-Mash	20	5	.....	.....	.....	.....
Supplement Mash	1	.....	.....	.....	.....	.....
Hog Feed	24	3	1	1	.....	.....
Sheep Feed	7	1	.....	.....	.....	.....
Stock Feed	65	11	3	9	1	9
Cottonseed Meal:						
43% Protein	3	2	.....	1	.....	.....
41% Protein	110	24	6	49	2	1
36% Protein	1	.....	.....	.....	.....	.....
20% Protein	1	1	.....	.....	.....	.....
Tankage	29	8	1	4	.....	.....
Meat Scrap	4	1	.....	.....	.....	.....
Linseed Oil Meal	10	.....	.....	.....	.....	.....
Linseed Oil Meal and Screenings Oil Feed	1	.....	.....	.....	.....	.....
Cocoanut Oil Meal	2	.....	.....	.....	.....	.....
Alfalfa Meal	1	.....	.....	.....	.....	.....
Brewers Dried Grains	5	2	1	1	.....	.....
Ground Oats	7	.....	.....	1	.....	2
Ground Barley	2	.....	.....	1	.....	.....
Wheat and Rye Middlings	8	3	2	1	6	6
Shredded Wheat Waste	1	.....	.....	1	.....	.....
Oat Hull Feed	5	1	.....	.....	.....	.....
Calf Meal	1	.....	.....	.....	.....	.....
Rice Bran	2	.....	.....	.....	.....	.....
Rye Feed	2	.....	.....	.....	.....	.....
Dog Feed	2	.....	.....	.....	.....	.....
Rabbit Feed	1	.....	.....	.....	.....	.....

TABLE 2. Tonnage in 1930

NAME OF FEED		Tons
Wheat Bran		13,335
Wheat Middlings or Shorts		30,225
Mixed Wheat Feed		49,240
Red Dog Flour		950
Ground Wheat		600
Miscellaneous Wheat Feed		6,255
Cracked Corn		20,550
Corn Feed Meal		3,990
Hominy Feed		8,450
Corn Bran		125
Crushed Ear Corn		375
Corn Gluten Feed		125
Mixed Feed (Wheat and Corn Byproducts)		24,175
Dairy Feed:		
16½% Protein	16,575	
20% Protein	8,985	
24% Protein	15,125	
32% Protein	175	
		40,860
Horse and Mule Feed		13,485
Poultry Grains:		
Scratch	31,410	
Chick	4,855	
		36,265
Pigeon Feed		300
Poultry Mash:		
Laying	12,620	
Growing	3,265	
Fattening	4,060	
Starting	3,200	
All-Mash	5,005	
Supplement	225	
		28,375
Hog Feed		4,300
Sheep Feed		1,025
Stock Feed		16,725
Cottonseed Meal:		
43% Protein	1,325	
41% Protein	25,910	
36% Protein	25	
		27,260
Tankage		2,250
Meat Scrap		575
Bone Meal		75
Linseed Oil Meal		1,225
Screenings Oil Feed		200
Alfalfa Meal		625
Alfalfa Leaf Meal		25
Brewers Dried Grains		900
Ground Oats		2,055

TABLE 2—Continued

NAME OF FEED	Tons
Ground Barley	1,540
Corn and Oats Chop	325
Corn, Oats and Barley Chop	300
Dried Buttermilk	150
Semi-Solid Buttermilk	200
Calf Meal	260
Rice Bran	675
Dried Beet Pulp	325
Rye Feed	875
Dog Feed	420
Wheat and Rye Middlings	500
Oat Hull Feed	650
Rabbit Feed	100
Miscellaneous	650
Total	341,890

TABLE 3.—Average Composition of the More Common Feeding Stuffs.

NAME OF FEED	POUNDS IN 100					
					Carbohydrates	
	Water	Ash	Protein	Fat	Fiber	N. F. Extract
Alfalfa leaf meal	6.5	12.0	21.0	3.5	16.0	40.5
Alfalfa meal	8.8	9.0	14.3	2.0	30.1	35.8
Barley	9.3	2.7	11.5	2.1	4.6	69.8
Beet pulp, dried	8.2	3.5	8.9	0.9	18.9	59.6
Blood, dried	9.7	3.3	82.3	0.9	.....	3.8
Bone meal, raw	7.3	61.7	24.3	3.1	.....	3.6
Brewers' dried grains	8.2	3.8	23.1	6.4	15.0	43.5
Buckwheat	12.1	2.1	10.8	2.5	10.3	62.2
Buttermilk, dried	4.5	8.1	34.6	12.6	.....	50.9
Buttermilk, semi-solid	65.0	2.7	13.4	3.0	.....	15.9
Corn	10.8	1.5	9.5	4.1	2.0	71.7
Corn and cob meal	10.4	1.5	8.5	4.1	7.9	67.6
Crushed ear corn with husks	11.0	1.8	7.5	3.0	7.8	68.9
Corn chop	10.5	1.5	8.3	3.5	1.4	75.5
Corn feed meal	10.5	1.5	9.4	4.5	2.7	71.1
Corn gluten feed	8.7	2.1	25.4	3.8	7.1	52.9
Corn gluten meal	9.1	1.1	35.5	4.7	2.1	47.5
Cottonseed meal 43%	7.5	6.2	43.0	7.2	9.7	26.4
Cottonseed meal 41%	7.5	6.2	41.0	7.3	10.7	27.1
Cottonseed meal 38½%	7.5	6.4	38.5	7.7	13.4	26.3
Cottonseed feed 36%	7.5	6.6	36.0	7.4	15.3	26.6
Cottonseed feed 22%	8.3	4.9	22.0	6.3	21.4	34.6
Cowpeas (seed)	11.6	3.4	23.6	1.5	4.1	55.8
Distillers' dried grains (chiefly corn)	6.6	2.6	30.7	12.2	11.6	36.3
Flaxseed	9.2	4.3	22.6	33.7	7.1	23.2
Hominy meal, feed or chop	10.1	2.6	11.3	9.3	5.5	61.2
Kafir corn	11.8	1.7	11.1	3.0	2.3	70.1
Linseed oil meal (new process)	9.6	5.6	36.9	2.9	8.7	36.3
Linseed oil meal (old process) 34%	9.1	5.4	34.0	7.5	8.4	35.7
Malt sprouts	7.6	6.1	26.4	1.5	12.6	45.6
Meat scrap 50%	8.0	6.5	50.0	10.5	7.5	2.6
Meat and bone meal	7.0	35.4	45.0	4.1	8.5	.....
Millet seed	9 1	3.3	11.8	3.3	7.8	64.7
Molasses (beet)	22.0	7.0	9.0	.....	.....	62.0
Molasses (cane)	25.7	6.1	3.2	.....	.....	65.0
Oats	10.4	3.4	11.5	4.6	11.0	60.9
Oat kernels	6.9	2.2	14.3	8.1	1.4	67.1
Peanut oil meal	6.6	4.8	44.8	10.2	7.6	26.0
Rice bran	10.0	9.5	12.0	10.0	12.0	47.5
Rye	9.4	2.0	11.8	1.8	1.8	73.2
Sorghum grains	12.7	1.9	9.2	3.4	2.0	70.8

TABLE 3.—Continued.

NAME OF FEED	POUNDS IN 100					
					Carbohydrates	
	Water	Ash	Protein	Fat	Fiber	N. F. Extract
Soybeans (seed)	9.9	5.3	36.5	17.5	4.3	26.5
Soybean meal 43%	10.5	4.9	43.0	6.6	5.3	29.5
Sunflower seed	6.9	3.1	16.1	24.7	27.9	21.3
Tankage 60%	7.9	15.3	60.0	7.0	1.4	6.8
Tankage 50%	8.3	21.8	50.0	11.7	1.5	6.8
Wheat	10.2	1.9	12.4	2.1	2.2	71.2
Wheat bran	10.1	6.3	15.4	4.7	9.1	54.4
Mixed wheat feed	10.1	5.2	16.2	4.4	8.3	56.9
Wheat middlings, brown	10.3	5.4	16.9	4.5	7.3	56.1
Wheat middlings, gray	10.5	4.4	16.7	4.6	5.8	58.4
Wheat flour middlings	10.7	3.7	17.8	5.0	4.0	58.1
Wheat flour, red dog	11.0	1.5	14.1	3.2	2.0	68.2
Wheat flour, patent	12.3	0.5	10.9	1.3	0.4	74.6
Roughages						
Alfalfa hay	8.6	8.6	14.9	2.3	28.3	37.3
Clover, red	12.9	7.1	12.8	3.1	25.5	38.7
Soybean hay	8.6	8.6	16.0	2.8	24.9	39.1
Timothy hay	11.6	4.9	6.2	2.5	29.8	45.0
Corn stover (ears removed)	9.4	5.8	5.9	1.6	30.7	46.6
Cowpea hay	9.9	11.9	19.3	2.6	22.5	34.0
Fillers						
Alfalfa stem meal	5.6	4.9	6.3	0.9	54.4	27.9
Buckwheat hulls	10.3	2.1	4.4	1.0	43.7	38.5
Corn bran	10.0	2.4	9.7	5.7	9.8	62.4
Corn cob	10.0	1.5	2.0	0.4	31.8	54.3
Cottonseed hulls	9.7	2.7	4.6	1.9	43.8	37.3
Flax screenings	8.8	8.2	15.4	11.8	15.5	40.5
*Grain screenings	.....	.....	.....	.....	.....	.....
Oat hulls and oat shorts	7.5	5.0	6.0	2.1	26.5	52.9
Oat hulls	6.8	6.0	4.0	1.7	29.2	52.3
Peanut hulls	9.1	5.5	7.3	2.6	56.6	18.9
Rice hulls	9.3	16.9	3.3	1.1	35.4	34.0
**Screening refuse, floor sweepings, grain dust	.....	.....	.....	.....	.....	.....
Velvet bean hulls	13.2	6.1	11.6	1.9	24.5	42.7
Wheat chaff	14.4	7.2	4.2	1.4	28.0	44.8
Wheat screenings	10.2	3.9	13.3	4.1	7.4	61.1

*Varies in quality from fair to poor.
**Varies in quality from poor to worthless and even dangerous.

TABLE 4.—Average Digestibility of the Nutrients in Common Feeding Stuffs, Taken from "Feeds and Feeding," by Henry and Morrison. (This table is copyrighted and is quoted by permission of the publishers.)

FEEDING STUFF	Crude Protein %	Fat %	Carbohydrates	
			Fiber %	Nitrogen-free Extract %
Alfalfa	71	38	43	72
Barley	78	78	56	92
Beet pulp, dried	52	.....	83	83
Blood, dried	84	.....	.....	.....
Bone meal, raw	92	97	.....	.....
Brewers' grain, dried	81	89	49	57
Buckwheat	75	100	24	76
Buttermilk, dried	85	49	.....	81
Clover, red	59	57	54	66
Corn, whole ground	74	93	57	94
Corn and cob meal	52	84	45	88
Corn gluten feed	85	85	76	88
Corn gluten meal	85	93	55	90
Corn stover	37	62	66	59
Cottonseed feed	58	90	45	61
Cottonseed meal, choice and prime	84	95	37	75
Cowpea seed	87	74	64	93
Cowpea hay	68	39	47	68
Distillers' dried grains	73	95	95	81
Flaxseed	91	86	60	55
Hominy feed or meal	66	91	76	90
Kafir corn	81	77	55	92
Linseed meal (new process)	86	95	73	87
Linseed meal (old process)	89	89	57	78
Malt sprouts	77	85	87	80
Meat scrap	93	98	.....	.....
Meat and bone meal	85	.....	.....	.....
Millet seed	59	80	41	84
Molasses, cane	32	.....	.....	90
Oats	78	87	35	81
Peanut cake from hulled nuts	90	90	9	84
Rice bran	65	77	25	79
Rye, ground	84	64	.....	92
Soybeans, ground	91	92	75	81
Soybean oil meal	92	68	99	100
Sunflower seed	84	82	.....	.....
Tankage (with swine)	71	100	.....	100
Wheat, ground	74	72	59	93
Wheat bran	78	68	31	72
Wheat mixed feed	77	87	36	76
Wheat middlings or shorts	88	86	36	88
Wheat red dog flour	80	70	60	83
Wheat flour, patent	74	69	.....	.....

TABLE 4.—Continued.

FEEDING STUFF	Crude Protein %	Fat %	Carbohydrates	
			Fiber %	Nitrogen-free Extract %
Fillers				
†Alfalfa stems	.....	.....	.....	.....
Buckwheat hulls	9	10	.....	62
Corn bran	60	80	71	80
Corn cob	19	50	60	52
Cottonseed hulls	6	79	47	34
†Grain screenings	.....	.....	.....	.....
Oat hulls and oat middlings	75	78	42	46
Peanut hulls	6	80	.....	.....
Rice hulls	10	67	1	35
†Screenings refuse, floor sweepings, grain dust	.....	.....	.....	.....
Wheat chaff	26	43	39	33

†Low in digestibility.

SUMMARY OF RESULTS OF INSPECTION AND ANALYSIS

Acme-Evans Co., Indianapolis, Ind. Inspection samples analyzed, 19.
- Acme Middlings and Screenings, 1; too low in protein.
- Acme Red Dog, 1; too low in protein.
- Acme Feed, 3; 1 too low in protein.
- Acme Farm Feed, 1; equaled guaranty.
- Acme Hominy Feed, 1; equaled guaranty.
- Acme Ground Oats, 1; equaled guaranty.
- Producer All-Mash, 1; equaled guaranty.
- Acme Pailfill Dairy, 3; 1 excess of screenings present.
- Acme Dairy Feed (Sweet), 1; no salt present.
- Producer Dairy Feed, 6; 3 too low in protein; 2 too high in fiber; 1 excess of clipped oat byproduct present; 2 excess of screenings present; 2 excess of low grade materials present.

The Acme Mills, Hopkinsville, Ky. Inspection samples analyzed, 5.
- Pure Wheat Shorts, 3; 2 too low in protein; 1 too high in fiber; 1 contained ground wheat screenings tho not listed.
- "Kentucky's Choice" Pure Wheat Mixed Feed and Screenings, 1; equaled guaranty.
- Supreme Dairy Feed, 1; ingredients not as guaranteed—misbranded.

H. T. Adams & Co., Harrodsburg, Ky. Inspection sample of "Old Fort" Egg Mash analyzed, 1; equaled guaranty.

Albany Mills, Albany, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; too low in protein; contained wheat flour.

Alfocorn Milling Co., St. Louis, Mo. Inspection samples analyzed, 14.
- Alfocorn Egg Mash, 2; 1 no linseed oil meal present.
- Alfocorn Hog Fatner, 2; 1 too high in fiber; 1 contained wheat screenings tho not listed.
- Full Pail Dairy Feed, 4; 1 too low in protein; 2 too high in fiber.
- Alfocorn Milk Maker 16%, 2; 1 no linseed oil meal present.
- Alfocorn Milk Maker 20%, 1; equaled guaranty.
- Alfocorn Milk Maker 24%, 3; equaled guaranty.

E. T. Allen & Co., Atlanta, Ga. Inspection samples of "Empire" 41% Protein Cottonseed Meal analyzed, 17; 3 too low in protein; 10 too high in fiber.

The Allen & Wheeler Co., Troy, O. Inspection samples analyzed, 5.
- Trojan Middlings and Screenings, 1; too low in protein.
- Trojan Mixed Wheat Feed, 1; equaled guaranty.
- Su-Kow Dairy Feed, 1; equaled guaranty.
- Trojan Jersey Dairy Feed, 1; equaled guaranty.
- Trojan I. X. L. Dairy Feed, 1; contained distillers dried grains tho not listed.

Allied Mills, Peoria, Ill. Inspection samples analyzed, 30.
Ground Barley, 1; equaled guaranty.
Amco Old Process Linseed Meal and Old Process Screenings Oil Feed, 1; equaled guaranty.
Wayne Egg Mash, 2; equaled guaranty.
Wayne All-Mash Grower, 2; equaled guaranty.
Wayne Crate Fattener, 1; equaled guaranty.
Wayne Pig Meal, 1; equaled guaranty.
Emergency Hog Feed, 1; equaled guaranty.
Wayne 40% Hog Supplement, 2; equaled guaranty.
Amco Arab Horse Feed, 1; equaled quaranty.
Amco "Ideal Brand" 16% Dairy Feed, 5; 1 too high in fiber; 1 contained flax plant byproduct tho not listed.
Wayne 16½% Dairy Feed, 1; too high in fiber.
Amco 16½% Sucrene Dairy Feed, 4; 1 excess of oat product present.
Amco 20% Dairy Feed, 1; equaled guaranty.
Amco 20% National Dairy Feed, 4; equaled guaranty.
Amco 24% Dairy Ration, 3; 1 too low in protein and fat.

Always-A-Head Mills, E. St. Louis, Ill. Inspection samples analyzed, 5.
Do-Mor Scratch Feed, 1; no oats or buckwheat screenings present.
"Cock O' The Walk" Scratch Feed, 1; too low in fat; contained rye tho not listed; only traces of kaffir and buckwheat present—misbranded.
Do-Mor Laying Mash, 1; equaled guaranty.
Do-Mor 16% Dairy Feed, 1; too high in fiber; excess of oat hulls present.
Oat Hulls, Oat Middlings, Ground Grain Screenings, Cane Molassess, Alfalfa Meal, Linseed Meal, Peanut Meal, Brewers Grains and Wheat Bran, 1; too high in fiber; no peanut oil meal present; only a trace of linseed oil meal present; contained cottonseed meal tho not listed; misbranded.

American Packing Co., St. Louis, Mo. Inspection sample of "Circle A Brand" 60% Digester Meat and Bone Tankage analyzed, 1; contained salt tho not listed.

Anderson & Spilman, Danville, Ky. Inspection samples analyzed, 8.
Hen Scratch, 1; too low in protein.
Anderson & Spilman Snowflake Feed, 4; too high in fiber; 1 no corn bran present; 1 contained ground barley tho not listed.
Stock Feed, 3; 2 too low in protein and too high in fiber, no corn bran present.

Anheuser-Busch, Inc., St. Louis, Mo. Inspection sample of Brewers Dried Grains analyzed, 1; equaled guaranty.

Ansted & Burk Co., Springfield, O. Inspection samples analyzed, 3.
"William Tell" Middlings and Screenings, 2; 1 too low in protein.
"William Tell" Mixed Wheat Feed and Screenings, 1; too low in protein.

Arcady Farms Milling Co., Chicago, Ill. Inspection samples analyzed, 10.
Egg-Maker Mash, 1; much too low in protein and too high in fiber.
Arcady Dairy Feed, 2; ingredients not as guaranteed; adulterated and misbranded.
Provo 16% Dairy Feed, 3; 1 too high in fiber.
Wonder Dairy Ration, 4; contained brewers dried grains tho not listed; 1 contained wheat bran tho not listed; 1 contained grain screenings tho not listed.

Armour & Co., Chicago, Ill. Inspection samples analyzed, 2.
Armour's 50% Meat and Bone, 1; equaled guaranty.
Armour's 60% Meat Meal, 1; equaled guaranty.

Ashcraft-Wilkinson Co., Atlanta, Ga. Inspection samples of "Helmet Brand" 41% Cottonseed Meal analyzed, 9; 2 too low in protein; 6 too high in fiber.

C. T. Ashley Co., Nicholasville, Ky. Inspection sample of Red Raven Dairy Feed analyzed, 1; too low in protein and too high in fiber; no corn gluten feed present.

Atlas Mills, Vincennes, Ind. Inspection sample of Winter Wheat Shorts and Screenings analyzed, 1; too low in protein.

Aubrey & Co., Louisville, Ky. Inspection samples analyzed, 37.
Red "A" Wheat Red Dog, 2; equaled guaranty.
Aubrey's Wheat Bran and Screenings, 1; equaled guaranty.
Pure Soft Wheat Mixed Feed, 1; equaled guaranty.
Blackhawk Mixed Wheat Feed and Screenings, 6; 1 too high in fiber.
Blackhawk Feed and screenings, 1; equaled guaranty.
Red "A" Wheat Feed and Screenings, 4; equaled guaranty.
Rye Feed and Screenings, 2; equaled guaranty.
Rice Bran, 1; equaled guaranty.
Feed Meal, 1; equaled guaranty.
Hominy Feed, 1; equaled guaranty.
Aubrey's 41% Cottonseed Meal, 2; equaled guaranty.
Supreme Laying Mash, 2: too high in fiber.
Red Bird Baby Chick Starting Mash, 1; equaled guaranty.
Monarch 85% Grain Horse Feed, 1; equaled guaranty.
Monarch 16½% Protein Dairy Feed, 5; 2 too low in protein; 3 too high in fiber.
Dandy 20% Protein Dairy Feed, 3; too low in protein; 1 no rice bran present.

Supreme 24% Dairy Feed, 2; 1 much too low in protein.
Ful-O-Cream 24% Dairy Feed, 1; equaled guaranty.

Auburn Mills, Auburn, Ky. Inspection samples of Mill Run Feed analyzed, 2; much too low in protein; excess of corn bran present; misbranded.

Auburn Roller Mills, Auburn, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein; excess of corn bran present.

Aviston Milling Co., E. St. Louis, Ill. Inspection samples analyzed, 4.
Hominy Feed, 1; too high in fiber.
Results Gray Wheat Shorts and Screenings, 2; equaled guaranty.
Results Mixed Wheat Feed and Screenings, 1; equaled guaranty.

J. J. Badenoch Co., Chicago, Ill. Inspection samples analyzed, 11.
"Sunflower Brand" Egg Mash, 2; equaled guaranty.
Circle Bee Better-N-Silage, 1; equaled guaranty.
Beeco Dairy Feed, 1; equaled guaranty.
Sweet Honey Bee Dairy Feed, 2; equaled guaranty.
Special Milky Way Dairy Feed, 2; equaled guaranty.
Circle Bee Dairy Feed, 1; equaled guaranty.
Jay Bee Dairy Feed, 2; equaled guaranty.

Ballard & Ballard Co., Louisville, Ky. Inspection samples analyzed, 15.
Ballard's Kentucky Farm Feed and Screenings, 2; too low in protein.
Ballard's Mixed Wheat Feed and Screenings, 2; 1 too low in protein.
Insurance All-Mash Starting and Growing Feed, 1; equaled guaranty.
Ballard's Insurance Laying Mash, 1; equaled guaranty.
Guardian Horse and Mule Feed, 1; equaled guaranty.
Insurance 16% Sweet Dairy Feed, 1; equaled guaranty.
Guardian 16% Sweet Dairy Feed, 3; equaled guaranty.
Insurance 20% Sweet Dairy Feed, 1; equaled guaranty.
Insurance 24% Sweet Dairy Feed, 1; equaled guaranty.
Guardian 24% Sweet Dairy Feed, 2; equaled guaranty.

Bardstown Mills, Bardstown, Ky. Inspection samples analyzed, 3.
Royal Mill Feed, 1; too low in protein; excess of corn bran present.
Royal Dairy Feed, 2; 1 too low in protein; 1 no salt present.

Baughman Milling Co., Stanford, Ky. Inspection sample of Mixed Mill Feed analyzed, 1; too low in protein; excess of corn bran present.

Beaty Milling Co., Science Hill, Ky. Inspection sample of Mixed Feed analyzed, 1; contained wheat screenings tho not listed.

Beaver Dam Milling Co., Beaver Dam, Ky. Inspection sample of Wheat Shorts and Screenings analyzed, 1; equaled guaranty.

Bennett-Tyner Grain Co., Nashville, Tenn. Inspection samples analyzed, 2.

Hi-Grade Horse Feed, 1; too low in protein; no linseed oil meal or salt present; contained phosphatic limestone tho not listed.

Moon-Beam Dairy Feed, 1; too low in protein.

Big Diamond Mills Co., Minneapolis, Minn. Inspection samples of Big Diamond Wheat Middlings and Screenings analyzed, 2; 1 too high in fiber.

Bisbee Linseed Co., Chicago Hts., Ill. Inspection samples analyzed, 4.

"Bisbee Brand" 32% Pure Old Process Linseed Meal, 2; equaled guaranty.

"Bisbee Brand" 34% Pure Old Process Linseed Meal, 2; equaled guaranty.

Blanton Milling Co., Indianapolis, Ind. Inspection sample of "Perfect Brand" All-Mash Feed analyzed, 1; equaled guaranty.

Blatchford Calf Meal Co., Waukegan, Ill. Inspection sample of Blatchford's Calf Meal analyzed, 1; equaled guaranty.

Blish Milling Co., Seymour,, Ind. Inspection samples of Bull's Eye Mixed Wheat Feed analyzed, 2; equaled guaranty.

Blue Grass-Elmendorf Grain Corporation, Lexington, Ky. Inspection samples analyzed, 5.

"Blue-Elm" 41% Cottonseed Meal, 1; too low in protein and too high in fiber.

"Blue-Elm" Peerless Cow Feed, 3; 2 too low in fat.

"Blue-Elm" Sheep Feed, 1; equaled guaranty.

Bowling Green Milling Co., Bowling Green, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein and too high in fiber; excess of corn bran present.

The C. S. Brent Seed Co., Lexington, Ky. Inspection sample of Old Process 34% Linseed Meal analyzed, 1; equaled guaranty.

F. W. Brode Corporation, Memphis, Tenn. Inspection samples of Owl Brand 41% Prime Cottonseed Meal analyzed, 12; 1 too low in protein; 3 too high in fiber.

Chas. Broeker & Co., Owensboro, Ky. Inspection samples of Hominy Feed analyzed, 2; equaled guaranty.

Browder Milling Co., Fulton, Ky. Inspection samples analyzed, 7.

"Big Boy" Scratch Feed, 1; equaled guaranty.

"Biddie's Choice" Mash Feed, 1; equaled guaranty.

Mixed Feed, 1; too low in protein and fat.

Browder's Bulky Sweet Mixing Feed, 1; equaled guaranty.

Sweet Sixteen Dairy Feed, 2; equaled guaranty.

"Lucky Strike" 24% Dairy Feed, 1; equaled guaranty.

The Buckeye Cotton Oil Co., Louisville, Ky. Inspection samples analyzed, 18.

Buckeye 41% Prime Cottonseed Meal, 17; 5 too low in protein; 5 too low in fat; 9 too high in fiber.

Buckeye 43% Prime Cottonseed Meal, 1; too high in fiber.

Buffalo Roller Mills, Buffalo, Ky. Inspection sample of Buffalo Feed analyzed, 1; too low in protein; no corn bran present.

Burnside Roller Mills, Burnside, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein; contained wheat middlings tho not listed.

Cadiz Milling Co., Cadiz, Ky. Inspection sample of Sunbeam Mixed Wheat Feed and Screenings analyzed, 1; too low in protein.

Cairo Meal and Cake Co., Cairo, Ill. Inspection sample of "Miss Cairo Brand" 41% Cottonseed Meal analyzed, 1; equaled guaranty.

Capital Flour Mills, Minneapolis, Minn. Inspection samples analyzed, 5.

Cherokee Wheat Middlings and Screenings, 1; equaled guaranty.

St. Paul Queen Wheat Mixed Feed and Screenings, 2; 1 contained ground oats.

"Queen Brand" Feed and Screenings, 2; equaled guaranty.

Carey Bros., Willisburg, Ky. Inspection sample of Mixed Feed analyzed 1; too low in protein; contained wheat flour.

Carlisle Mill & Supply Co., Carlisle, Ky. Inspection sample of "Our Own Make" Sheep Feed analyzed, 1; equaled guaranty.

The Carr Milling Co., Hamilton, O. Inspection samples analyzed, 2.

"Bon-Ton" Middlings, 1; much too low in protein.

"Bon-Ton" Mixed Wheat Feed, 1; too low in protein; contained wheat screenings tho not listed.

J. E. Carter, Lawrenceburg, Ky. Inspection samples analyzed, 4.

"Carter's Perfection Band" Laying Mash, 2; equaled guaranty.

"Carter's Ideal Brand" Dairy Feed, 2; equaled guaranty.

Cecilian Milling Co., Cecilia, Ky. Inspection samples analyzed, 5.

Gray Wheat Shorts, 2; too low in protein.

"Purity Brand" Mixed Feed and Screenings, 3; equaled guaranty.

The Chapman-Doake Co., Decatur, Ill. Inspection samples analyzed, 3.

Clipper Stock Feed, 2; 1 excess of oat hulls and screenings present.

Producer Dairy Feed, 1; contained linseed oil meal tho not listed.

Christian County Mills, Hopkinsville, Ky. Inspection sample of Pure Wheat Shorts analyzed, 1; too low in protein.

B. C. Christopher & Co., Kansas City, Mo. Inspection sample of Wheat Mixed Feed and Screenings analyzed, 1; equaled guaranty.

Cincinnati Grain & Hay Co., Cincinnati, O. Inspection samples analyzed 4.

Wheat Middlings, 1; equaled guaranty.

Whole Ground Oats, 1; equaled guaranty.

Whole Ground Barley, 1; too high in fiber.
34% Oil Meal, 1; equaled guaranty.

City Roller Mills, Vevay, Ind. Inspection sample of Mixed Feed analyzed, 1; no corn bran present.

Clarkson Milling Co., Clarkson, Ky. Inspection sample of Wheat Shorts analyzed, 1; equaled guaranty.

Climax Roller Mills, Shelbyville, Ky. Inspection sample of Climax Mill Feed analyzed, 1; too low in protein; excess of corn bran present.

H. C. Cole Milling Co., Chester, Ill. Inspection sample of Soft Wheat Bran and Screenings analyzed, 1; equaled guaranty.

Clell Coleman & Sons, Burgin, Ky. Inspection samples analyzed, 8.
Coleman's White Middlings and Shorts, 1; much too low in protein and fat; contained wheat flour.
Coleman's Mixed Feed, 7; 5 much too low in protein—misbranded; 4 too low in fat; 2 no corn bran present, contained excess of wheat screenings; 1 contained salt tho not listed.

Columbia Milling Co., Columbia, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; too low in protein; contained wheat flour.

Community Flour & Feed Mills, Vanceburg, Ky. Inspection sample of Red Cow 16½% Dairy Feed analyzed, 1; too low in protein.

Community Milling Co., Irvington, Ky. Inspection sample of Soft Wheat Mixed Feed analyzed, 1; too low in protein.

The G. E. Conkey Co., Cleveland, O. Inspection sample of Red Seal Dairy Ration analyzed, 1; equaled guaranty.

Consolidated Flour Mills Co., Wichita, Kans. Inspection samples analyzed, 4.
Wheat Bran and Screenings, 1; equaled guaranty.
Wheat Shorts and Screenings, 2; equaled guaranty.
Wheat Mixed Feed and Screenings, 1; equaled guaranty.

The Corno Mills Co., E. St. Louis, Ill. Inspection samples analyzed, 15.
Corno Starting Mash, 1; too low in protein.
Corno Laying Mash, 2; equaled guaranty.
Nutro Egg Mash, 2; equaled guaranty.
Nutro Sweet Feed, 1; excess of oat hulls present.
Corno Premium Feed, 1; equaled guaranty.
Nutro Dairy Feed, 5; 1 too low in protein and fat; 3 too high in fiber; 2 contained corn gluten feed and linseed oil meal tho not listed; 2 excess of oat byproduct present; 1 excess of screenings present.
Corno Dairy Feed, 3; equaled guaranty.

Crescent Milling Co., Cynthiana, Ky. Inspection sample of Crescent Mixed Feed analyzed, 1; too low in protein.

Crescent Roller Mills Co., Taylorsville, Ky. Inspection samples analyzed, 4.
White Wheat Shorts, 1; too low in protein.
Shipstuff, 2; too low in protein.
Crescent Mixed Feed, 1; too low in protein; contained wheat flour.

The Crete Mills, Crete, Nebr. Inspection samples analyzed, 3.
White Hominy Feed, 1; sample is corn feed meal containing ground wheat; misbranded.
Triumph Egg Mash, 2; no ground oat groats present; contained ground barley tho not listed; misbranded; 1 too low in protein.

Crofton Milling Co., Crofton, Ky. Inspection sample of Richfeed analyzed, 1; too low in fat; contained wheat flour.

Crown Jewel Milling Co., Cynthiana, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein.

Dan Joseph Co., Columbus, Ga. Inspection samples analyzed, 12.
"Pinta" Columbus Brand 41% Cottonseed Meal, 11; 5 too low in protein; 8 too high in fiber; 1 much too low in protein and too high in fiber, cottonseed hulls added—adulterated and misbranded.
"Santa Maria" Columbus Brand 43% Cottonseed Meal, 1; equaled guaranty.

Darling & Co., Chicago, Ill. Inspection sample of 60% Digester Tankage analyzed, 1; equaled guaranty.

The Albert Dickinson Co., Chicago, Ill. Inspection sample of Dickinson's My-Lassie Dairy Feed analyzed, 1; no linseed oil meal present; contained excess of grain screenings; misbranded.

Dixie Mills Co., E. St. Louis, Ill. Inspection samples analyzed, 5.
Ground Oats, 1; equaled guaranty.
Dixie Growing Mash, 1; too high in fiber.
Dixie Egg Mash, 1; equaled guaranty.
Dixie Laying Mash, 2; 1 no linseed oil meal present.

The Dorsel Co., Newport, Ky. Inspection sample of Dorsel's Gray Wheat Middlings analyzed, 1; too low in protein.

Dreyer Commission Co., St. Louis, Mo. Inspection sample of Dreyer Commission Co.'s Wheat Bran and Screenings analyzed, 1; equaled guaranty.

G. H. Dulle Milling Co., Jefferson City, Mo. Inspection sample of Red, White and Blue Wheat Middlings and Screenings analyzed, 1; too low in protein.

The Early & Daniel Co., Cincinnati, O. Inspection samples analyzed, 31.
Wheat Bran and Screenings, 1; too low in protein.
Wheat Middlings and Screenings, 1; equaled guaranty.

Alfalfa Meal, 1; sample is alfalfa leaf meal.
Ground Oats, 1; equaled guaranty.
Tuxedo 50% Meat Scrap, 1 equaled guaranty.
34% Linseed Oil Meal, 1; equaled guaranty.
Tuxedo 41% Cottonseed Meal, 1; equaled guaranty.
Tuxedo Starting and Growing All-Mash, 1; equaled guaranty.
Tuxedo Egg Mash, 3; 1 too high in fiber.
Tuxedo Chop, 2; 1 no salt present, only small amounts of wheat bran, alfalfa meal and barley grains present.
Cerealia Sweets, 2; equaled guaranty.
Miami Sweet Feed, 2; equaled guaranty.
Tuxedo Golden Stock Feed, 2; 1 contained salt and mixed wheat feed tho not listed.
Tuxedo Sheep Feed, 1; contained brewers dried grains tho not listed.
Tuxedo Hog Ration, 2; equaled guaranty.
Miami Dairy Feed, 1; equaled guaranty.
Tuxedo Dairy 16%, 3; 1 too low in protein; 1 contained alfalfa meal tho not listed.
Tuxedo Dairy 20%, 3; equaled guaranty.
Tuxedo Dairy 24%, 2; equaled guaranty.

Eckert Packing Co., Henderson, Ky. Inspection samples of Eckert's Pig's Delight 50% Digester Tankage analyzed, 1; equaled guaranty.

The F. L. Emmert Co., Cincinnati, O. Inspection samples of "Buffalo Brand" Dried Brewers Grains analyzed, 3; 1 too low in protein.

Eubank Milling & Feed Co., Eubank, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; too low in protein and fat; contained wheat flour.

Excelsior Milling Co., Minneapolis, Minn. Inspection samples analyzed, 9.
"Camel" Wheat Mixed Feed, 7; equaled guaranty.
Zebra Special Middlings and Screenings, 2; equaled guaranty.

Exchange Milling Co., Sturgis, Ky. Inspection sample of Smith's Special Dairy Ration analyzed, 1; too low in protein; contained molasses tho not listed.

Falls City Feed Mills, Louisville, Ky. Inspection samples analyzed, 7.
Shur-Pleez Scratch Feed, 2; 1 only a trace of oats present.
Falls City Laying Mash, 1; no salt present.
Shur-Pleez 16½% Dairy Feed, 3; 1 too low in protein, no salt present; 1 only a trace of wheat products present, excess of screenings present.
Dandy Dairy Feed, 1; equaled guaranty.

Falls City Ice & Beverage Co., Louisville, Ky. Inspection sample of Brewers Dried Grains analyzed, 1; too low in protein and fat.

Oscar Farmer & Sons, Louisville, Ky. Inspection sample of "We Kno" Hominy Feed analyzed, 1; equaled guaranty.

The Farmers Flour Mills, Berthoud, Colo. Inspection sample of Wheat Mixed Feed analyzed, 1; equaled guaranty.

Farmers Supply Co., Lexington, Ky. Inspection samples analyzed, 14.
Trico Scratch Feed, 1; equaled guaranty.
Farmo Laying Mash, 2; too low in protein; 1 contained linseed oil meal and corn gluten meal tho not listed, excess of salt present.
Farmo Hog Feed, 2; contained wheat bran tho not listed.
Trico Dairy Feed, 3; 1 too low in protein; 2 too high in fiber; 2 only traces of wheat bran and wheat middlings present, excess of screenings present.
Red Diamond Dairy Feed, 1; equaled guaranty.
Farmo 24% Dairy Feed, 5; 3 too low in protein; 2 too high in fiber; 2 only a trace of wheat middlings present, contained flax plant byproduct and brewers grains tho not listed—adulterated and misbranded.

Farmers Union Mill, Versailles, Ky. Inspection samples of Mill Feed analyzed, 2; much too low in protein; excess of corn bran present; misbranded.

Ferncliff Feed & Grain Co., Louisville, Ky. Inspection samples analyzed, 16.
P. D. Q. Mill Feed, 1; equaled guaranty.
P. D. Q. Egg Mash (With Cod Liver Oil Meal), 2; equaled guaranty.
Cracker Jack Egg Mash (With Cod Liver Oil Meal), 1; too low in protein.
P. D. Q. Horse and Mule Feed, 1; contained molasses tho not listed.
Sweet Sixteen Dairy Feed, 7; 3 too low in fat; 5 too high in fiber.
Cracker Jack 24% Sweet Dairy Ration, 1 equaled guaranty.
Ferncliff 24% Dairy Ration, 3; equaled guaranty.

Field Packing Co., Owensboro, Ky. Inspection samples analyzed, 3.
Field's 50% Tankage, 1; equaled guaranty.
Field's 60% Tankage, 2; 1 too low in protein.

Henry Fischer Packing Co., Louisville, Ky. Inspection samples analyzed, 3.
"Delmont Brand" 55% Digester Tankage, 1; equaled guaranty.
"Mellwood Brand" 60% Digester Tankage, 2; too low in protein.

Flaherty Roller Mills Co., Vine Grove, Ky. Inspection sample of Wheat Bran and Shorts analyzed, 1; too low in protein and fat; contained wheat flour.

Flemingsburg Mills, Flemingsburg, Ky. Inspection samples analyzed, 5.
"Hi-Test Brand" Wheat Feed, 1; equaled guaranty.

"Hi-Test Brand" Egg Mash, 1; too low in protein.
"Hi-Test Brand" Pig Meal, 1; equaled guaranty.
Special 16% Dairy Feed, 1; equaled guaranty.
"Hi-Test Brand" 20% Dairy Feed, 1; equaled guaranty.

Henry Fruechtenicht, Louisville, Ky. Inspection samples analyzed, 3.
Ground Oats, 2; 1 too high in fiber, contained ground wheat, corn and barley tho not listed—misbranded; 1 sample is oat by-product feed—misbranded.
"Producer Brand" 24% Dairy Feed, 1; no phosphatic limestone present; contained alfalfa meal tho not listed.

Fuhrer-Ford Milling Co., Mt. Vernon, Ind. Inspection sample of Wheat Shorts and Screenings analyzed, 1; too low in protein.

Garland Milling Co., Greensburg, Ind. Inspection samples of Blue Bell Fine Wheat Feed and Screenings analyzed, 1; too low in protein.

Garrard Mills, Lancaster, Ky. Inspection samples of "Glen Lily" Mixed Feed analyzed, 9; 1 too high in fiber; 1 no salt present.

General Commission Co., Kansas City, Mo. Inspection sample of "Heart of America" Mixed Feed analyzed, 1; too high in fiber; adulterated with corn bran; misbranded.

General Mills, Minneapolis, Minn. Inspection samples analyzed, 3.
King Wheat Mixed Feed and Screenings, 1; equaled guaranty.
Washburn's Gold Medal Horse and Mule Feed, 1; equaled guaranty.
Washburn's Gold Medal 24% Dairy Ration, 1; too low in fat and too high in fiber.

Georgia Distributing Co., Atlanta, Ga. Inspection samples of "Gold Dust Brand" 41% Protein Cottonseed Meal analyzed, 2; too high in fiber.

Germantown Milling Co., Germantown, Ky. Inspection sample of Mixed Feed analyzed, 1; equaled guaranty.

Glasgow Milling Co., Glasgow, Ky. Inspection samples of Mixed Feed analyzed, 2; too low in protein; excess of corn bran present.

Glass Milling Co., Wilmore, Ky. Inspection samples analyzed, 3.
Hi-Grade Feed, 2; 1 too low in protein and too high in fiber; 1 no corn bran present.
"Barco", 1; too high in fiber.

Edward F. Goeke Sons, Evansville, Ind. Inspection samples analyzed, 9.
Big Gee Wheat Shorts and Screenings, 1; equaled guaranty.
Big Gee Starting Food, 1; equaled guaranty.
A-1 All-Mash, 2; 1 too low in protein.
Big Gee Egg Mash, 1; equaled guaranty.

Big Gee Hog Feed, 1; too low in protein; contained wheat middlings tho not listed; wheat screenings substituted for flaxseed screenings.

Standard Dairy Ration, 3; too low in protein.

Goerz Flour Mills Co., Newton, Kans. Inspection sample of Wheat Gray Shorts and Screenings analyzed, 1; equaled guaranty.

Goldcamp Mill Co., Ironton, O. Inspection sample of K-Y Feed analyzed, 1; equaled guaranty.

Graco Milling Co., Cairo, Ill. Inspection sample of Graco 41% Cottonseed Meal analyzed, 1; too low in protein and much too high in fiber.

Gradyville Roller Mills, Gradyville, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; too low in protein and fat; contained ground corn, wheat flour and screenings tho not listed; misbranded.

Greendale Mills, Lawrenceburg. Ind. Inspection samples analyzed, 25,

Greendale Mixed Wheat Feed and Screenings, 2; 1 too low in protein and too high in fiber, adulterated with oat hulls—misbranded.

Greendale Standard Laying Mash, 2; too low in protein; 1 contained corn gluten feed tho not listed; 1 ingredients not as guaranteed—misbranded.

Greendale 16% Dairy Feed, 1; too high in fiber; contained alfalfa meal, ground oats and linseed meal tho not listed.

Greendale 16% Dairy Feed, Sweet, 6; 5 too high in fiber; 1 no wheat bran present, contained brewers dried grains tho not listed; 2 no linseed oil meal, corn gluten feed or ground corn present—misbranded; 4 no salt or calcium carbonate present.

Greendale 20% Dry Dairy Feed, 3; 1 too low in protein; 2 no linseed oil meal present.

Greendale 24% Dairy Feed, 11; 2 too low in protein; 5 no linseed oil meal present.

Green River Milling Co., S. Carrollton, Ky. Inspection sample of Green River Feed analyzed, 1; much too low in protein; excess of corn bran present; misbranded.

Gwinn Bros. & Co., Huntington, W. Va. Inspection samples analyzed, 13.

Cracked Corn, 2; 1 too low in fat.

Corn Feed Meal, 1; equaled guaranty.

Farm Feed, 1; too low in protein.

Mixed Feed and Screenings, 1; excess of corn bran present.

Fancy White Wheat and Rye Middlings and Screenings, 6; adulterated with corn product—misbranded; 3 too low in protein; 2 too low in fat.

Make-Milk Dairy Feed, 2; too low in protein, no clipped oat by-product present; 1 too low in fat, contained barley hulls tho not listed; 1 no salt present.

Gwinn Milling Co., Columbus, O. Inspection samples analyzed, 8.

Gwinn's Middlings and Screenings, 7; adulterated with corn product—misbranded; 6 too low in protein; 3 contained wheat flour; 1 excess of screenings and weed seeds present.

Gwinn's "G" Dairy Feed, 1; too low in fat; no linseed oil meal present.

Hales & Hunter Co., Chicago, Ill. Inspection samples analyzed, 22.

Steamed Rolled Corn, 1; too low in fat.

Morning Glory Scratch Feed, 1; only traces of kaffir corn, oats and sunflower seed present—misbranded.

Red Comb Chick Starter, 1; too high in fiber; contained alfalfa leaf meal, bone meal, salt, iron sulphate, calcium carbonate and charcoal tho not listed.

Red Comb Crate Fattener, 1; equaled guaranty.

Red Comb Egg Mash, 2; equaled guaranty.

H & H Egg Balancer, 1; no alfalfa meal present; contained cottonseed meal tho not listed.

College Horse Feed, 1; equaled guaranty.

Excelsior Horse Feed, 1; equaled guaranty.

Pioneer Hog Feed, 1; contained corn gluten feed tho not listed.

H & H Hog Balancer, 1; equaled guaranty.

Gold Flake Dairy Feed, 8; 1 too low in protein, no linseed oil meal present; 1 too high in fiber; 1 contained corn feed meal, corn cob and corn cleanings tho not listed—misbranded.

H & H Dairy Ration, 1; equaled guaranty.

"College Brand" Dairy Feed, 1; equaled guaranty.

H & H Dairy 32% Balancer, 1; too low in protein and fat.

Hall Milling Co., St. Louis, Mo. Inspection samples of Rex Wheat Mixed Feed and Screenings analyzed, 2; equaled guaranty.

Hanson Roller Mills, Hanson, Ky. Inspection sample of H. R. M. Feed analyzed, 1; equaled guaranty.

Hardyville Roller Mills, Hardyville, Ky. Inspection sample of Mixed Feed analyzed, 1; equaled guaranty.

O. L. Harper, Ironton, O. Inspection sample of Harper's Standard Feed analyzed, 1; equaled guaranty.

R. L. Harrison & Son, Bagdad, Ky. Inspection sample of Empress Feed analyzed, 1; much too low in protein; contained wheat flour.

The P. H. Harsha Milling Co., Portsmouth, O. Inspection samples of Harsha's Middlings and Screenings analyzed, 2; 1 too low in protein.

Herbert Hawkins, Paducah, Ky. Inspection samples of Critic Mixed Wheat Feed analyzed, 2; too low in protein.

Edwin C. Hawkins, Paducah, Ky. Inspection sample of Mixed Wheat Feed and Screenings analyzed, 1; equaled guaranty.

Haydon Mill & Grain Co., Springfield, Ky. Inspection samples analyzed, 3.

Economy Hen Mash, 1; too low in protein; contained ground barley tho not listed.

Economy Feed, 2; much too low in protein.

C. E. Haynes Milling Co., Waverly, O. Inspection sample of Wavo Mixed Feed analyzed, 1; too low in protein.

The Heldt Co., Evansville, Ind. Inspection sample of Thelco "Ideal Brand" All-One Ration analyzed, 1; too low in protein.

The Hermitage Mills, Nashville, Tenn. Inspection samples analyzed, 9.

Mak-Em-Fat Station Feed, 1; no linseed oil meal present.

Jersey Queen Dairy Feed, 5; too high in fiber; 2 too low in protein; 1 too low in fat; 3 ingredients not as guaranteed—adulterated and misbranded; 2 excess of oat hulls present—adulterated and misbranded.

Cream Maker Dairy Feed, 1; too high in fiber; contained grain screenings and weed seeds tho not listed; excess of oat hulls present; adulterated and misbranded.

"Best Yet Brand" Dairy Feed, 2; 1 too high in fiber, excess of oat hulls present—adulterated and misbranded; 1 contained grain screenings and weed seeds tho not listed.

Hodgenville Roller Mills, Hodgenville, Ky. Inspection sample of Lincoln Feed analyzed, 2; equaled guaranty.

Hodgson Oil Refining Co., Athens, Ga. Inspection sample of 41% Cottonseed Meal analyzed, 1; equaled guaranty.

Horse Cave Mills, Horse Cave, Ky. Inspection samples analyzed, 3.

Pure Bran and Shorts, 1; equaled guaranty.

Superior Mixed Feed, 2; too low in protein; contained wheat flour.

Hoyland Flour Mills Co., Kansas City, Mo. Inspection sample of Wheat Red Dog and Screenings analyzed, 1; too low in fat; contained ground weed seeds and corn meal; misbranded.

Humphreys-Godwin Co., Memphis, Tenn. Inspection sample of "Dixie Brand" 41% Cottonseed Meal analyzed, 9; 2 too low in protein; 4 too high in fiber.

Igleheart Bros., Evansville, Ind. Inspection samples analyzed, 4.

Winter Wheat Shorts and Screenings, 1; too low in protein.

Wheat Mixed Feed and Screenings, 3; too low in protein.

Illinois Milling Co., Chicago, Ill. Inspection sample of "Special Brand" Scratch analyzed, 1; too low in fat.

J. F. Imbs Milling Co., Belleville, Ill. Inspection samples of "Charm" Pure Wheat Mixed Feed analyzed, 3; 1 contained wheat screenings tho not listed.

International Sugar Feed Co., Memphis, Tenn. Inspection samples analyzed, 4.

International Planters Hen Feed, 1; equaled guaranty.

International Special Egg Producer, 1; equaled guaranty.

International Hummer Sweet Feed, 1; equaled guaranty.

International "Special Brand" Dairy Feed, 1; equaled guaranty.

Interstate Feed Co., Ft. Worth, Tex. Inspection samples of "Interstate Brand" 43% Protein Cottonseed Meal analyzed, 2; too low in protein.

Jellico Grocery Co., Corbin, Ky. Inspection sample of Daisy Soft Wheat Middlings and Screenings analyzed, 1; too low in protein.

C. L. Jewell, Louisville, Ky. Inspection sample of Jewell's Pure Soft Wheat Mixed Feed analyzed, 1; too low in protein.

Joslin-Schmidt Corporation, Cincinnati, O. Inspection samples of "Abattoir Brand" 60% Digester Tankage analyzed, 3; equaled guaranty.

The E. Kahn's Sons Co., Cincinnati, O. Inspection samples of Kahn's Diamond K 60% Digester Tankage analyzed, 2; too high in fiber; 1 too low in protein.

C. H. Keeney Co., Ironton, O. Inspection sample of Atlantic Dairy Feed analyzed, 1; ingredients not as guaranteed; adulterated and misbranded.

Keister Milling Co., Huntington, W. Va. Inspection samples analyzed, 3.

Fancy White Middlings, 1; too low in protein and fat and too high in fiber.

Lotus Wheat and Rye Middlings, 1; too high in fiber; contained ground oats tho not listed.

Holstein Dairy Feed, 1; too low in protein.

Kellogg Co., Battle Creek, Mich. Inspection sample of Hexite Special Sweet Dairy Feed analyzed, 1; too low in protein.

The Kentucky Chemical Manufacturing Co., Covington, Ky. Inspection samples analyzed, 3.

K-C Special 50% Meat and Bone Meal, 1; equaled guaranty.

"K-C Brand" 60% Digester Tankage, 2; 1 too low in protein.

Kentucky Feed & Grain Co., Louisville, Ky. Inspection samples analyzed, 63.

Corn Feed Meal, 3; 1 too high in fiber.

Dandy Wheat Feed and Screenings, 2; equaled guaranty.

Premo Growing Mash, 1; equaled guaranty.

Kentucky Star Laying Mash, 2; equaled guaranty.

Premo Laying Mash, 1; too low in protein.
Premo Hog Feed, 2; 1 too low in protein; 1 excess of salt present.
Marshall's Sheep Feed, 1; equaled guaranty.
Derby Horse and Mule Feed, 1; no wheat bran present.
Kentucky Pride Horse and Mule Feed, 1; too high in fiber.
Kentucky Star Horse and Mule Feed, 3; 1 much too low in protein; 1 too low in protein, excess of salt present.
Success Horse and Mule Feed, 2; equaled guaranty.
"Mil-Ko Brand" Feed, 1; too high in fiber.
Premo Stock Feed, 2; 1 no rice bran present.
Oat Middlings and Oat Hulls, 1; equaled guaranty.
Sedan 16% Sweet Mixing Feed, 6; 3 too low in protein; 1 much too low in protein; 5 only a trace of wheat middlings present; 1 excess of oat hulls and flax plant byproduct present; 1 contained alfalfa meal tho not listed.
Sunnyland Dairy Feed, 2; equaled guaranty.
Kentucky Star Dairy Feed, 16; 5 too low in protein; 2 much too low in protein; 10 too high in fiber; 1 no wheat middlings or corn feed meal present.
Premo Dairy Feed, 3; equaled guaranty.
Marshall's 24% Dairy Feed, 8; 2 too low in protein.
Urma 24% Dairy Feed, 3; 2 too low in protein.
Success 24% Dairy Feed, 2; 1 too low in protein, excess of salt present.

R. U. Kevil & Sons, Princeton, Ky. Inspection sample of Red Dog Flour analyzed, 1; sample is low grade flour.

King Midas Mill Co., Minneapolis, Minn. Inspection sample of Standard Feed and Screenings analyzed, 1; equaled guaranty.

Lambert Milling Co., Kenova, W. Va. Inspection samples analyzed, 3.
Justrite Feed, 1; equaled guaranty.
Milk More Dairy Feed, 1; no alfalfa meal present; excess of oat hulls present; misbranded.
Full Pail Dairy Feed, 1; no beet pulp present; contained linseed oil meal tho not listed; excess of oat hulls present; misbranded.

Lancaster Milling Co., Lancaster, Ky. Inspection samples analyzed, 5.
Mill Feed, 2; too low in protein; 1 too high in fiber, adulterated with oat hulls, misbranded; 1 excess of corn bran present.
"Lamico" Mixed Feed, 3; 1 too high in fiber, adulterated with oat hulls and weed seeds, misbranded; 1 only traces of barley and oats present.

Lane Lumber & Milling Co., Rowletts, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; much too low in protein and fat; contained wheat flour.

Larrowe Milling Co., Detroit, Mich. Inspection samples analyzed, 8.
Larro Growing Mash, 1; equaled guaranty.
Larro Egg Mash, 1; equaled guaranty.
Larro Supplement Feed for Hogs, 1; equaled guaranty.
Larro The Ready Ration for Dairy Cows, 5; equaled guaranty.

The Larabee Flour Mills Co., Kansas City, Mo. Inspection samples of Winter Wheat Bran and Screenings analyzed, 2; equaled guaranty.

Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Inspection samples analyzed, 4.
"Farm King" Gray Shorts and Screenings, 3; equaled guaranty.
"Snowflake" Mixed Wheat Feed and Screenings, 1; equaled guaranty.

H. D. Lee Flour Mills Co., Salina, Kans. Inspection sample of Wheat Gray Shorts analyzed, 1; equaled guaranty.

Lexington Roller Mills Co., Lexington, Ky. Inspection samples analyzed, 11.
Corn Byproduct Feed, 1; much too low in protein and fat.
Thoroughbred Feed, 2; too low in protein.
Hen Fruit Baby Chick Feed, 1; too low in protein; no oats present.
"Thoroughbred Brand" Sheep Feed, 1; too low in protein.
Kentucky Queen Dairy Feed, 2; 1 too low in protein, contained corn gluten meal tho not listed.
Thoroughbred Cow Feed, 4; 2 too low in protein; 3 too low in fat.

Liberty Mills, Nashville, Tenn. Inspection samples analyzed, 2.
Liberty Shorts, 1; equaled guaranty.
Pure Wheat Bran, Shorts and Screenings, 1; equaled guaranty.

Lindsborg Milling & Elevator Co., Lindsborg, Kans. Inspection sample of Gray Wheat Shorts analyzed, 1; equaled guaranty.

Loretto Mill Co., Loretto, Ky. Inspection sample of Shipstuff analyzed, 1; too low in protein; contained wheat flour.

The Loudonville Milling Co., Loudonville, O. Inspection samples of Soft Winter Wheat Middlings and Screenings analyzed, 3; too low in protein.

Louisa Supply Co., Louisa Ky. Inspection samples analyzed, 3.
Louisa Starting and Growing Mash, 1; too low in protein; contained salt tho not listed.
Big Sandy Dairy Feed, 1; contained alfalfa meal and linseed oil meal tho not listed.
Louisa Dairy Feed, 1; too low in protein; too high in fiber; no corn gluten feed present.

Louisville Cereal Mill Co., Louisville, Ky. Inspection samples analyzed, 4.
Nonesuch Feed, 1; equaled guaranty.

Nonesuch Hominy Feed, 3; too low in protein; 1 too low in fat.

Louisville Feed Mills, Louisville, Ky. Inspection samples analyzed, 4.
Lincoln Horse and Mule Feed, 1; too low in protein.
Lincoln Dairy Feed, 2; 1 too low in protein.
Premier 24% Dairy Feed, 1; equaled guaranty.

Louisville Milling Co., Louisville, Ky. Inspection samples analyzed, 6.
"Sonny South" Hominy Feed, 4; 3 too low in fat; 1 too high in fiber.
"Sonny South" Wheat Mixed Feed and Screenings, 2; 1 too low in protein.

Louisville Provision Co., Louisville, Ky. Inspection samples of Loupro 50% Digester Feeding Tankage analyzed, 4; too low in protein; 2 too high in fiber.

The Loveland Flour Mills, Loveland, Colo. Inspection sample of Wheat Mixed Feed analyzed, 1; equaled guaranty.

L. B. Lovitt & Co., Memphis, Tenn. Inspection samples of "Lovit Brand" 41% Cottonseed Meal analyzed, 7; 2 too low in protein; 2 too high in fiber; 1 too low in fat and much too high in fiber.

The Lynn Grove Milling Co., Lynn Grove, Ky. Inspection sample of Wheat Bran and Shorts analyzed, 1; too low in protein and fat; contained low grade flour.

Magnolia Roller Mills, Magnolia, Ky. Inspection samples of Mill Run Feed analyzed, 3; too low in protein, contained wheat flour; 2 too low in fat.

Marianna Sales Co., Memphis, Tenn. Inspection samples of White Mule Brand 41% Cottonseed Meal analyzed, 7; 1 too low in protein; 1 too high in fiber.

Marion Milling Co., Marion, Ky. Inspection samples analyzed, 2.
"Feeder's Favorite" Mixed Feed, 1; equaled guaranty.
Ground Wheat Screenings, 1; equaled guaranty.

O. C. McKay, Lawrenceburg, Ky. Inspection sample of Lawrenceburg Dairy Feed analyzed, 1; no linseed oil meal present.

McKinney Milling Co., Cadiz, Ky. Inspection sample of Pennyroyal Mixed Wheat Feed analyzed, 1; too low in fat.

Mayfield Milling Co., Mayfield, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein; contained ground wheat tho not listed.

Mayflower Mills, Ft. Wayne, Ind. Inspection sample of Mayflower Mixed Wheat Feed and Screenings analyzed, 1; equaled guaranty.

Memphis Cottonseed Products Co., Memphis, Tenn. Inspection samples of "Durham Brand" 41% Cottonseed Meal analyzed, 3; 1 too low in protein and too high in fiber.

Metzger Bros., Paducah, Ky. Inspection sample of 38½% Tankage analyzed, 1; too low in fat.

Middlesboro Milling Co., Middlesboro, Ky. Inspection samples analyzed, 11.

Blue Diamond Mixed Feed, 2; contained rice bran tho not listed; 1 excess of oat byproduct present; 1 no alfalfa meal or molasses present—misbranded.

Hard To Beat Mixed Feed, 2; 1 too low in protein, no salt present.

"Champion Brand" Mixed Feed, 1; no rye middlings present; contained corn bran, ground barley and screenings tho not listed—misbranded.

Hi-Grade Mixed Feed, 2; 1 too low in protein; 1 contained ground barley tho not listed.

Reliable Laying Mash, 1; too low in protein and fat; no linseed oil meal present; contained alfalfa meal tho not listed.

Reliable 24% Dairy Mixed Feed, 3; adulterated with cocoa shell and oat hulls—misbranded; 2 no linseed oil meal present; 1 no dried brewer's grains present.

Mid-Kansas Milling Co., Salina, Kans. Inspection sample of Wheat Bran and Screenings analyzed, 1; equaled guaranty.

Miller Cereal Mills, Omaha, Nebr. Inspection sample of Maizco Hominy Feed analyzed, 1; too low in protein and fat and too high in fiber.

Model Flour Mills, Greeley, Colo. Inspection sample of Topsy Stock Feed analyzed, 1; equaled guaranty.

Monarch Milling Co., Mt. Sterling, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein.

C. L. Montgomery & Co., Memphis, Tenn. Inspection sample of Star Brand 36% Cottonseed Feed analyzed, 1; equaled guaranty.

Moore-Lowry Flour Mills Co., Kansas City, Kans. Inspection samples analyzed, 4.

Wheat Gray Shorts, 1; equaled guaranty.

Wheat Mixed Feed and Screenings, 3; equaled guaranty.

Moorman Manufacturing Co., Quincy, Ill. Inspection sample of Moorman's Hog Minerals analyzed, 1; equaled guaranty.

Morganfield Roller Mills, Morganfield, Ky. Inspection sample of "White Rose" Shorts analyzed, 1; too low in protein and fat; contained wheat flour.

Morris & Co., Chicago, Ill. Inspection sample of Morris Big Sixty Meat Meal Digester Tankage analyzed, 1; equaled guaranty.

Moundridge Milling Co., Moundridge, Kans. Inspection sample of Mixed Wheat Feed and Screenings analyzed, 1; equaled guaranty.

Mountain City Mill Co., Chattanooga, Tenn. Inspection samples of Blue Stock Feed analyzed, 7; 2 too low in protein; 1 too low in

fat; 5 excess of screenings and weed seeds present—misbranded; 1 contained ground barley tho not listed; 1 no corn oil cake meal or salt present.

Munfordville Milling Co., Munfordville, Ky. Inspection sample of Mixed Feed analyzed, 1; equaled guaranty.

National Milling Co., Toledo, O. Inspection samples analyzed, 4.
Namico Middlings and Screenings, 2; too low in protein.
"National" Mixed Feed and Screenings, 2; equaled guaranty.

New Edmonton Mills, Edmonton, Ky. Inspection samples of Mixed Feed analyzed, 2; too low in protein; contained wheat flour.

Newport Milling Co., Newport, Tenn. Inspection sample of Jersey Cream Feed, analyzed, 1; too low in protein; no ground corn present.

Newsome Feed & Grain Co., Pittsburg, Pa. Inspection sample of Palmo Midds analyzed, 1; equaled guaranty.

Nicholson Mills, Henderson, Ky. Inspection samples analyzed, 3.
Vita-Pure Special All-Mash, 1; too low in protein.
Vita-Pure 16% Sweet Dairy Feed, 2; 1 contained corn gluten feed tho not listed.

Norman Milling Co., Calvert City, Ky. Inspection sample of "Nomco" Mixed Wheat Feed and Screenings analyzed, 1; too low in protein; contained wheat flour.

Northern Illinois Cereal Co., Lockport, Ill. Inspection sample of Oat Middlings, Oat Shorts and Oat Hulls analyzed, 1; no oat shorts present.

Nowak Milling Corporation, Hammond, Ind. Inspection samples analyzed, 11.
Domino Egg Pel-ets, 1; equaled guaranty.
Domino Rabbit Pel-ets, 1; equaled guaranty.
Union Dairy Feed, 3; 2 no linseed oil meal present.
Hammond Dairy Feed, 1; too high in fiber; no linseed oil meal present; only a trace of wheat bran present.
Domino Butterine Dairy Feed, 1; no linseed oil meal present.
Fidelity Dairy Feed, 1; equaled guaranty.
Domino 24½% Protein Dairy Feed, 2; 1 too low in protein.
Domino 32% Protein Mixing Dairy Feed, 1; equaled guaranty.

Old Dutch Mills, Minneapolis, Minn. Inspection samples of Old Dutch Mixed Wheat Feed and Screenings analyzed, 2; equaled guaranty.

Omaha Flour Mills Co., Omaha, Nebr. Inspection samples analyzed, 2.
"Omar" Pure Wheat Red Dog, 1; equaled guaranty.
"Cornhusker" Wheat Shorts and Screenings, 1; equaled guaranty.

Owensboro Milling Co., Owensboro, Ky. Inspection samples of D. & H. Stock Feed analyzed, 2; too high in fiber.

Paducah Milling Co., Paducah, Ky. Inspection samples analyzed, 4.
Laying Mash, 1; too low in protein and too high in fiber; excess of charcoal present.
Green Meadow Feed, 1; equaled guaranty.
Dairy Feed, 2; 1 too low in protein and fat and too high in fiber, no linseed oil meal present.

Parksville Roller Mills, Parksville, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein; contained wheat flour and screenings tho not listed.

Pembroke Roller Mills, Pembroke, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein; excess of corn bran present.

Penick & Ford, Ltd., Cedar Rapids, Ia. Inspection sample of "Sweetened Brand" Douglas Corn Gluten Feed analyzed, 1; too high in fiber.

Perfection Foods Co., Battle Creek, Mich. Inspection sample of "Perfection Brand" Dog Feed analyzed, 1; equaled guaranty.

Phoenix Cotton Oil Mill, Dyersburg, Tenn. Inspection samples of Phoenix Choice Grade 41% Cottonseed Meal analyzed, 2; equaled guaranty.

Phoenix Flour Mills, Evansville, Ind. Inspection samples analyzed, 3.
Fancy Shorts and Screenings, 2; too low in protein, contained wheat flour; 1 too low in fat.
Wheat Mixed Feed and Screenings, 1; too low in protein.

Pillsbury Flour Mills Co., Minneapolis, Minn. Inspection sample of Palisade B. M. Feed analyzed, 1; contained wheat bran tho not listed; misbranded.

Plant Flour Mills Co., St. Louis, Mo. Inspection sample of "Circle P" Wheat Mixed Feed and Screenings analyzed, 1; too low in protein and too high in fiber.

R. C. Poage Milling Co., Ashland, Ky. Inspection samples of "Ideal Brand" Stock Feed analyzed, 2; too low in protein; 1 too low in fat, excess of corn product present.

Poole Milling Co., Poole, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein; excess of corn bran present.

Pratt Food Co., Hammond, Ind. Inspection samples analyzed, 5.
Pratt's Growing Mash, 1; equaled guaranty.
Pratt's All-Mash Baby Chick Feed, 1; no millet present; contained epsom salts tho not listed.
Pratt's Laying Mash, 2; equaled guaranty.
Pratt's Sweet 16% Dairy Ration, 1; contained ground corn and brewers dried grains tho not listed.

The Procter & Gamble Distributing Co., Cincinnati, O. Inspection samples of P & G Cocoanut Oil Meal analyzed, 2; equaled guaranty.

Producers Mineral Feed Co., Indianapolis, Ind. Inspection sample of Producers Mineral Feed analyzed, 1; too low in lime and phosphoric acid; excess of salt present.

Purcell Seed Co., Evansville, Ind. Inspection samples analyzed, 3.
"New Idea" Poultry Mash (With Cod Liver Oil) 1, equaled guaranty.
"New Idea" All-Mash Poultry Ration, 1; equaled graranty.
"New Idea" Dairy Feed, 1; too low in fat.

The Quaker Oats Co., Chicago, Ill. Inspection samples analyzed, 8.
Quaker Ful-O-Pep Growing Mash, 1; equaled guaranty.
Quaker Ful-O-Pep Egg Mash, 1; equaled guaranty.
Buckeye Feed, 1; equaled guaranty.
Banner Feed, 1; equaled guaranty.
Oat Middlings, Oat Shorts, Oat Hulls and Molasses, 1; equaled guaranty.
Quaker Green Cross Horse Feed, 1; equaled guaranty.
Quaker Schumacher Feed, 1; too low in fat.
Horse Power Feed, 1; too low in protein.

Ralston Purina Co., St. Louis, Mo. Inspection samples analyzed, 39.
Purina Chick Startena Feed, 1; equaled guaranty.
Purina Lay Chow Feed, 1; equaled guaranty.
Purina Chicken Chowder Feed, 2; equaled guaranty.
Purina Omolene Feed, 2; equaled guaranty.
Purina Blue Checker Grainola Feed, 1; equaled guaranty.
Just Sweet Feed, 1; equaled guaranty.
Protena Red Kettle Horse and Mule Feed, 1; equaled guaranty.
Purina Dog Chow Feed, 1; equaled guaranty.
Purina Hog Fatena Feed, 1; equaled guaranty.
Purina Pig Chow Feed, 2; equaled guaranty.
Purina Lamb Chow Feed, 3; 1 contained cottonseed meal and wheat middlings tho not listed.
Purina Steer Fatena Feed, 3 equaled guaranty.
Purina Farm Emergency Stock Chow Feed, 1; equaled guaranty.
Purina Farm Emergency Roughage Chow Feed, 1; equaled guaranty.
Alfalfa Stem Meal, Oat Middlings, Oat Hulls and Molasses, 2; equaled guaranty.
"Protena Brand" Feed, 4; 3 ingredients not as guaranteed—misbranded.
"St. Louis Brand" Protena Feed, 3; equaled guaranty.
Purina Bulky Las Feed, 2; equaled guaranty.
Purina Bulky Cow Chow Feed, 2; equaled guaranty.
Purina Cow Chow Feed, 5; equaled guaranty.

Randolph Milling Co., Bandana, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein and fat and too high in fiber.

Rapier Sugar Feed Co., Owensboro, Ky. Inspection samples analyzed, 30.

Red Dog Flour, 1; equaled guaranty.

Mixed Wheat Feed and Screening, 1; equaled guaranty.

Corn Feed Meal, 1; equaled guaranty.

Rapier's All-Mash Feed, 1; equaled guaranty.

Rapier's Blue Hen Growing Mash, 1; equaled guaranty.

Rapier's Blue Hen Laying Mash, 2; 1 too low in protein; 1 contained wheat bran tho not listed.

Rapier's "All-In-One" Egg Ration, 1; equaled guaranty.

Rapier's Gold Star Hog Feed, 1; too low in fat.

Rapier's Jersey Cream Dairy Feed, 8; 1 too low in protein and too high in fiber; 4 only small amounts of wheat products present; 1 only small amount of corn gluten feed present.

Rapier's Creamo Dairy Feed, 3; 1 only a trace of linseed oil meal present; contained malt sprouts tho not listed.

Rapier's Springtime Dairy Feed. 1; only small amounts of wheat products present.

Rapier's Golden Rod Dairy Feed, 9; 2 too low in protein; 5 too high in fiber; 1 much too low in protein and too high in fiber, excess of alfalfa stems present—misbranded; 3 no linseed oil meal present; 1 contained malt sprouts tho not listed.

Read Phosphate Co., New Albany, Ind. Inspection samples analyzed, 3.

Read's Red Diamond 50% Meat Scraps, 1; too low in protein.

Read's Red Diamond 60% Digester Tankage, 2; too low in protein.

R. D. Riedling, Louisville, Ky. Inspection samples analyzed, 6.

R. D.'s Feed, 1; equaled guaranty.

Rice Bran, 1; equaled guaranty.

Magnolia Laying Mash, 1; too low in protein and fat; too high in fiber; contained wheat bran tho not listed.

"Peerless Brand" Horse and Mule Feed, 1; too low in protein.

Happy Cow Feed, 2; 1 too high in fiber; 1 ingredients not as guaranteed—misbranded.

P. M. Rountree, Benton, Ky. Inspection sample of Wheat Bran, Shorts and Screenings analyzed, 1; too low in protein; contained wheat flour.

Royal-Stafolife Mills, Memphis, Tenn. Inspection sample of "Staf-O-Life Brand" Bulky Mixing Feed analyzed, 1; too high in fiber; contained cottonseed hulls tho not listed; misbranded.

Sacramento Milling Co., Sacramento, Ky. Inspection sample of Mixed Feed analyzed, 1; equaled guaranty.

Salt Lick Roller Mills, Salt Lick, Ky. Inspection sample of "Perfect Brand" Mixed Feed analyzed, 1; too low in protein.

Joe Schafer & Sons, Springfield, Ill. Inspection sample of Schafer's 16½% Protein Dairy Feed analyzed, 1; equaled guaranty.

Schultz-Baujan & Co., Beardstown, Ill. Inspection samples analyzed, 11.

Sunbeam Wheat Bran and Screenings, 1; equaled guaranty.

Critic Mixed Wheat Feed and Screenings, 2; 1 too low in protein.

Honest Laying Mash, 2; too high in fiber; contained alfalfa meal and dried buttermilk tho not listed; 1 too low in protein.

Economy All-Mash Laying Ration, 1; equaled guaranty.

Critic 80% Grain Horse and Mule Feed, 2; equaled guaranty.

Honest 16% Dairy Feed, 2; 1 too low in fat, adulterated with oat hulls.

Critic 16% Dairy Feed, 1; equaled guaranty.

Sebree Milling Co., Sebree, Ky. Inspection samples of Cream Patent Feed analyzed, 2; contained wheat middlings tho not listed; 1 too low in protein.

Security Food Co., Minneapolis, Minn. Inspection sample of "Security Brand" Food Compound analyzed, 1; equaled guaranty.

Security Mills, Knoxville, Tenn. Inspection samples analyzed, 5.

Security Laying Mash, 1; too high in fiber.

Blue Eagle Dairy Feed, 1; contained linseed oil meal tho not listed.

Security Dairy Feed, 3; 1 too low in fat, no salt present.

Shepherdsville Roller Mills, Shepherdsville, Ky. Inspection sample of Ice's Dairy Feed analyzed, 1; too low in protein; contained salt tho not listed.

The Sherwin Williams Co., Cleveland, O. Inspection sample of S. W. C. 34% Linseed Oil Meal analyzed, 1; equaled guaranty.

The Shredded Wheat Co., Niagara Falls, N. Y. Inspection sample of Shredded Wheat Waste analyzed, 1; too high in fiber.

Simmons Milling Co., Cincinnati, O. Inspection samples analyzed, 9.

Wheat Middlings and Screenings, 1; equaled guaranty.

Wheat Bran and Screenings, 1; equaled guaranty.

Simco Chick Growing Mash, 1; equaled guaranty.

Simco "2 in 1" All-Mash Chick Starter and Grower, 1; equaled guaranty.

Simco Hog Feed, 1; equaled guaranty.

Simco Sweet Sixteen Dairy Feed, 1; no rice bran present.

Decko Dairy Feed, 1; equaled guaranty.

Simco 24% Dairy Feed, 2; 1 no rice bran present.

Slaughters Milling Co., Slaughters, Ky. Inspection sample of Mixed

Wheat Feed and Screenings analyzed, 1; too low in protein and fat; contained wheat flour.

Somerset Milling Co., Somerset, Ky. Inspection sample of So-Mil-Co Feed analyzed, 1; much too low in protein; excess of corn bran present; misbranded.

Southern Feed & Grain Co., Louisville, Ky. Inspection samples analyzed, 14.

Atlas 20% Cottonseed Feed, 1; much too low in protein.

Atlas Corn Feed Meal, 1; equaled guaranty.

Atlas Laying Mash, 3; 1 too low in protein, no alfalfa meal present; 2 no salt present; 1 no kaffir meal present.

Eagle Horse and Mule Feed, 2; 1 too low in protein.

"Ideal Brand" Horse and Mule Feed, 1; equaled guaranty.

Eagle Stock Feed, 1; contained corn cob and cleanings tho not listed.

Eagle Sweet Feed, 1; contained ground corn and whole oats tho not listed.

"Sugar S Brand" Dairy Feed, 2; no calcium carbonate or calcium phosphate present.

"Special Brand" Cow Feed, 1; no calcium carbonate or calcium phosphate present.

Standard Dairy Feed, 1; contained corn gluten feed tho not listed; no calcium carbonate or calcium phosphate present.

Southern Star Roller Mills, Perryville, Ky. Inspection samples of Mixed Feed analyzed, 2; 1 too low in protein, contained cottonseed hulls tho not listed; 1 much too low in protein, excess of corn bran present; misbranded.

Southern Tie & Timber Co., Atlanta, Ga. Inspection samples of Wright's 41% Protein Cottonseed Meal analyzed, 2; 1 too high in fiber.

Southwestern Milling Co., Kansas City, Mo. Inspection sample of Star Wheat Shorts and Scourings analyzed, 1; equaled guaranty.

Spencer Kellogg & Sons, Buffalo, N. Y. Inspection samples of Kellogg's 34% Pure Old Process Linseed Meal analyzed, 2; equaled guaranty.

Staley Milling Co., Kansas City, Mo. Inspection samples analyzed, 6.

"Hypower Brand" Hominy Feed, 2; equaled guaranty.

Red "S" Scratch Feed, 1; contained barley tho not listed; only a trace of sunflower seed present.

"Special Hypower Brand" Mixed Feed, 2; 1 excess of oat products present; contained wheat flour.

Four Bells Farm Feed, 1; corn product is not hominy feed and wheat product is not middlings as guaranteed.

Standard Milling Co., Elkton, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein and fat; contained wheat flour.

Star Milling Co., Clinton, Ky. Inspection samples analyzed, 2.
Mixed Feed, 1; too low in protein.
Wheat Shorts, 1; equaled guaranty.

Stevens Grain & Milling Co., Lucasville, O. Inspection samples of Scioto Feed analyzed, 2; equaled guaranty.

The St. Louis Mills Co., St. Louis, Mo. Inspection samples analyzed, 8.
Gilt Edge Starting Mash, 1; equaled guaranty.
Gilt Edge Growing Mash, 1; equaled guaranty.
Gilt Edge All-Mash, 1; equaled guaranty.
Gilt Edge 16% Dairy Feed, 3; 1 too high in fiber, no calcium carbonate or salt present; 2 contained cocoa shell tho not listed; 1 no linseed oil meal present.
Gilt Edge 24% Dairy Feed, 2; 1 only a trace of linseed oil meal present.

Sullivan Milling Co., Sullivan, Ky. Inspection sample of Hammack's Special Dairy Ration analyzed, 1; contained salt tho not listed.

Sunnyside Milling Co., Evansville, Ind. Inspection samples of Winter Wheat Mixed Feed and Screenings analyzed, 2; equaled guaranty.

D. B. Sutherland & Sons, Bloomfield, Ky. Inspection samples analyzed 4.
Sutherland's Feed, 1; too low in protein; adulterated with corn bran—misbranded.
Sutherland's Mixed Feed, 3; too low in protein; 2 too high in fiber; 1 excess of corn bran present.

J. B. Sweeney, Lawrenceburg, Ky. Inspection samples of Anderson Dairy Feed analyzed, 2; 1 too low in protein.

Swift & Co., Chicago, Ill. Inspection sample of 60% Digester Tankage analyzed, 1; equaled guaranty.

J. H. Tate & Co., Monticello, Ky. Inspection samples of J. H. Tate & Co.'s Feed analyzed, 2; 1 too low in protein; 1 no corn bran present.

Tell City Flouring Mills, Tell City, Ind. Inspection sample of "Hoosier" All-Mash Poultry Ration analyzed, 1; too low in protein.

Tennessee Milling Co., Nashville, Tenn. Inspection sample of Tennessee Dairy Feed analyzed, 1; contained wheat screenings and weed seeds tho not listed; no bone meal present.

Thomas Page Mill Co., Topeka, Kans. Inspection sample of Snowflake Wheat Gray Shorts and Screenings analyzed, 1; equaled guaranty.

Thomson's Mill, Madisonville, Ky. Inspection samples analyzed, 2.

"Thomson's Best" Pure Wheat Mixed Feed, 1; too low in protein and fat; contained wheat flour.

Jones Dairy Feed, 1; too high in fiber; crushed corn, cob and shuck substituted for ground corn; no calcium carbonate present; misbranded.

Three Minute Cereals Co., Cedar Rapids, Ia. Inspection sample of Corno Hygrade Oat Byproduct Feed analyzed, 1; too low in protein; contained salt tho not listed.

Trimble Flour Mills, Milton, Ky. Inspection samples analyzed, 2.

All-Mash, 1; contained wheat bran tho not listed.

Triumph Egg Mash, 1; contained wheat bran and alfalfa meal tho not listed.

The Ubiko Milling Co., Cincinnati, O. Inspection samples analyzed, 15.

Mixed Wheat Feed and Screenings, 1; too low in protein.

Ubiko All-Mash Starting and Growing Ration (With Cod Liver Oil), 1; equaled guaranty.

Ubiko All-Mash Complete Laying Ration (With Cod Liver Oil), 1; equaled guaranty.

Ubiko All-Mash Developer, 1; equaled guaranty.

Commercial Laying Mash, 1; equaled guaranty.

Ubiko Pig and Hog Ration, 1; equaled guaranty.

Crusader Horse Feed, 1; equaled guaranty.

Clover Bloom Sweet 16% Feed, 3; 1 excess of oat hulls present.

Sunbeam Dairy Ration, 1; equaled guaranty.

Ubiko Union Grains 24% Sweet Dairy Ration, 3; equaled guaranty.

Union Grains Ubiko 24% Dry Dairy Ration, 1; equaled guaranty.

United Bi-Products Co., Chicago, Ill. Inspection samples of "Success Brand" 60% Digester Tankage analyzed, 2; equaled guaranty.

Union Mineral & Supply Co., North East, Pa. Inspection sample of Union Minerals for Hogs analyzed, 1; too low in lime; excess of salt present.

Uniontown Roller Mills, Uniontown, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein; excess of screenings present.

Valier & Spies Milling Co., St. Louis, Mo. Inspection samples analyzed, 2.

Gray Wheat Shorts and Screenings, 1; equaled guaranty.

Valier's Wheat Middlings and Screenings, 1; equaled guaranty.

Vitality Mills, Chicago, Ill. Inspection samples analyzed, 2.

Ground Oats, 1; equaled guaranty.

Vitality 16% Dairy Feed, 1; contained brewers dried grains tho not listed.

Weber Flour Mills Co., Salina, Kans. Inspection sample of Tea Table Mixed Wheat Feed and Screenings analyzed, 1; equaled guaranty.

Weisenberger Sanitary Flour Mills Co., Midway, Ky. Inspection sample of "Repeater" Feed analyzed, 1; too low in protein; excess of corn bran present.

A. P. White & Co., Cadiz, Ky. Inspection sample of National analyzed, 1; too low in protein.

J. H. Wilkes & Co., Nashville, Tenn. Inspection sample of Umco Dairy Feed analyzed, 1; much too high in fiber; no corn hearts present; contained alfalfa meal tho not listed; excess of oat products present—misbranded.

Wilson & Co., Chicago, Ill. Inspection sample of "Red W Brand" 60% Digester Tankage analyzed, 1; equaled guaranty.

Winchester Roller Mills, Winchester, Ky. Inspection samples analyzed, 17.

"Perfection Brand" Mixed Feed, 12; 5 too low in protein; 5 too low in fat; 3 too high in fiber; 2 no corn bran present; 1 no flour middlings present; 2 adulterated with cottonseed hulls.

"Perfection Brand" Chick Starter Mash, 1; contained ground barley tho not listed.

"Perfection Brand" Egg Mash, 1; too low in protein and fat; too high in fiber; contained salt and bone meal tho not listed.

"O'Kay Brand" Dairy Feed, 2; 1 contained grain screenings and weed seeds tho not listed.

"Perfection Brand" Dairy Feed, 1; equaled guaranty.

Woolcott Flour Mills Co., Lexington, Ky. Inspection sample of "Pride of Kentucky" Mixed Feed analyzed, 4; too low in protein; 2 excess of corn bran present.

Yopp Seed Co., Paducah, Ky. Inspection sample of "Chief Manamar Brand" Laying Mash analyzed, 1; equaled guaranty.

Zabel Milling Co., New Albany, Ind. Inspection sample of "Merry-Go-Round" Feed analyzed, 1; too low in protein.

J. W. Zaring Mill & Grain Co., Richmond, Ky. Inspection sample of Bonanza Feed analyzed, 1; too low in protein; excess of corn bran present.

Ziliak & Schafer Milling Co., Evansville, Ind. Inspection samples analyzed, 5.

Wheat Shorts and Screenings, 1; equaled guaranty.

Lamey's Three-In-One All-Mash, 1; too low in protein.

Lamey's Special Dairy Ration, 3; 2 excess of weed seeds present; 1 contained oat byproduct and corn cob tho not listed—adulterated and misbranded.